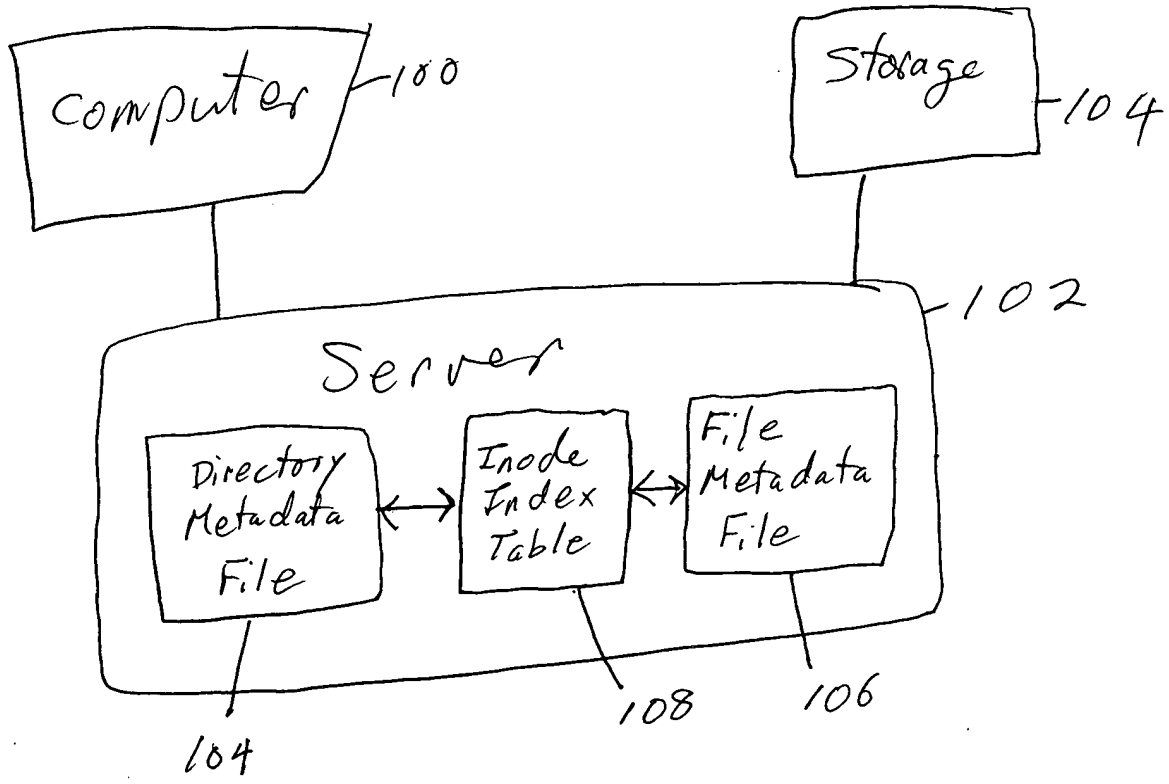
computer
100
Storage
104
102
Server
Directory Metadata File
Inode Index Table
File Metadata File
104
108
106

FIG 1A

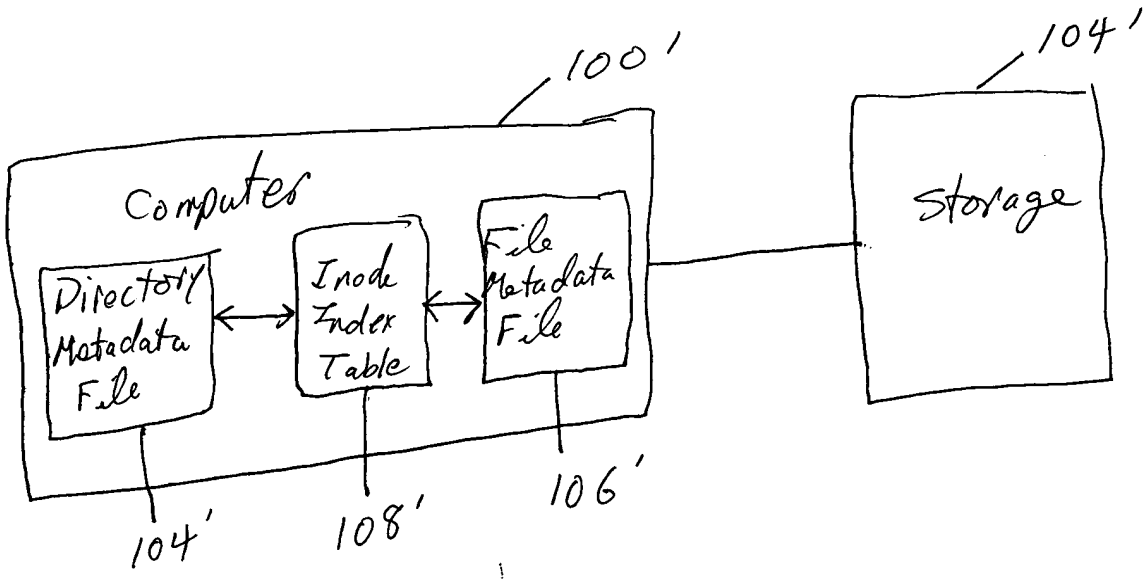
100'
104'
Computer
Directory Metadata File
Inode Index Table
File Metadata File
Storage
104'
108'
106'

FIG 1B

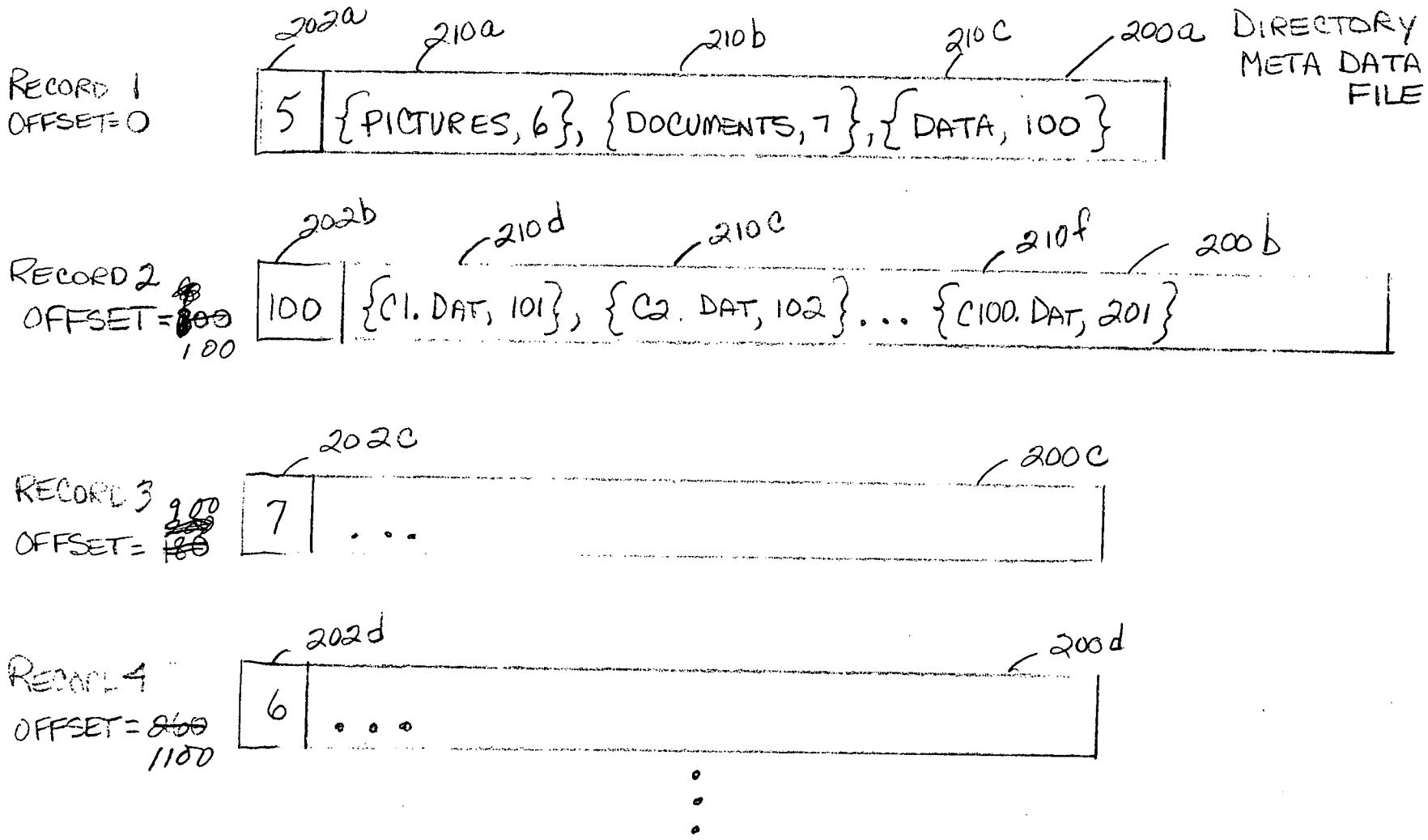
202a
210a
210b
210c
200a
DIRECTORY META DATA FILE
RECORD 1
OFFSET=0
5
{PICTURES, 6}, {DOCUMENTS, 7}, {DATA, 100}
202b
210d
210e
210f
200b
RECORD 2
OFFSET=100
100
{C1. DAT, 101}, {C2. DAT, 102} ... {C100. DAT, 201}
202c
200c
RECORD 3
OFFSET=
7
...
202d
200d
RECORD 4
OFFSET=1100
6
...

FIGURE 2

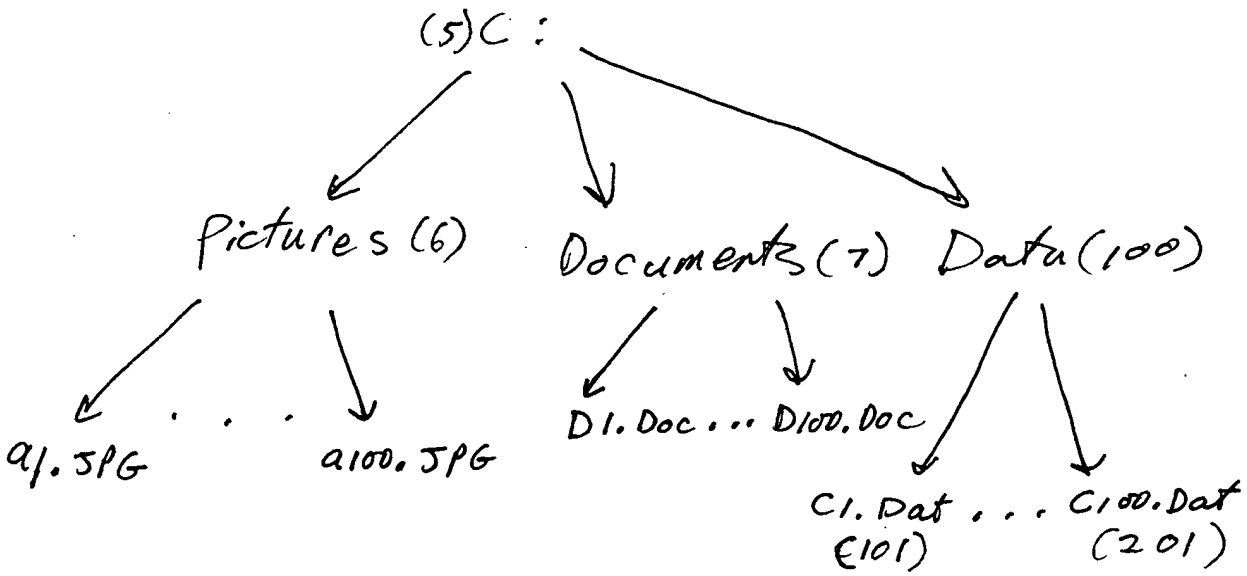
(5) C:
Pictures (6)
Documents (7)
Data (100)
a1.JPG
. . .
a100.JPG
D1.Doc ... D100.Doc
C1.Dat
(101)
. . .
C100.Dat
(201)

FIG 3

File Metadata File

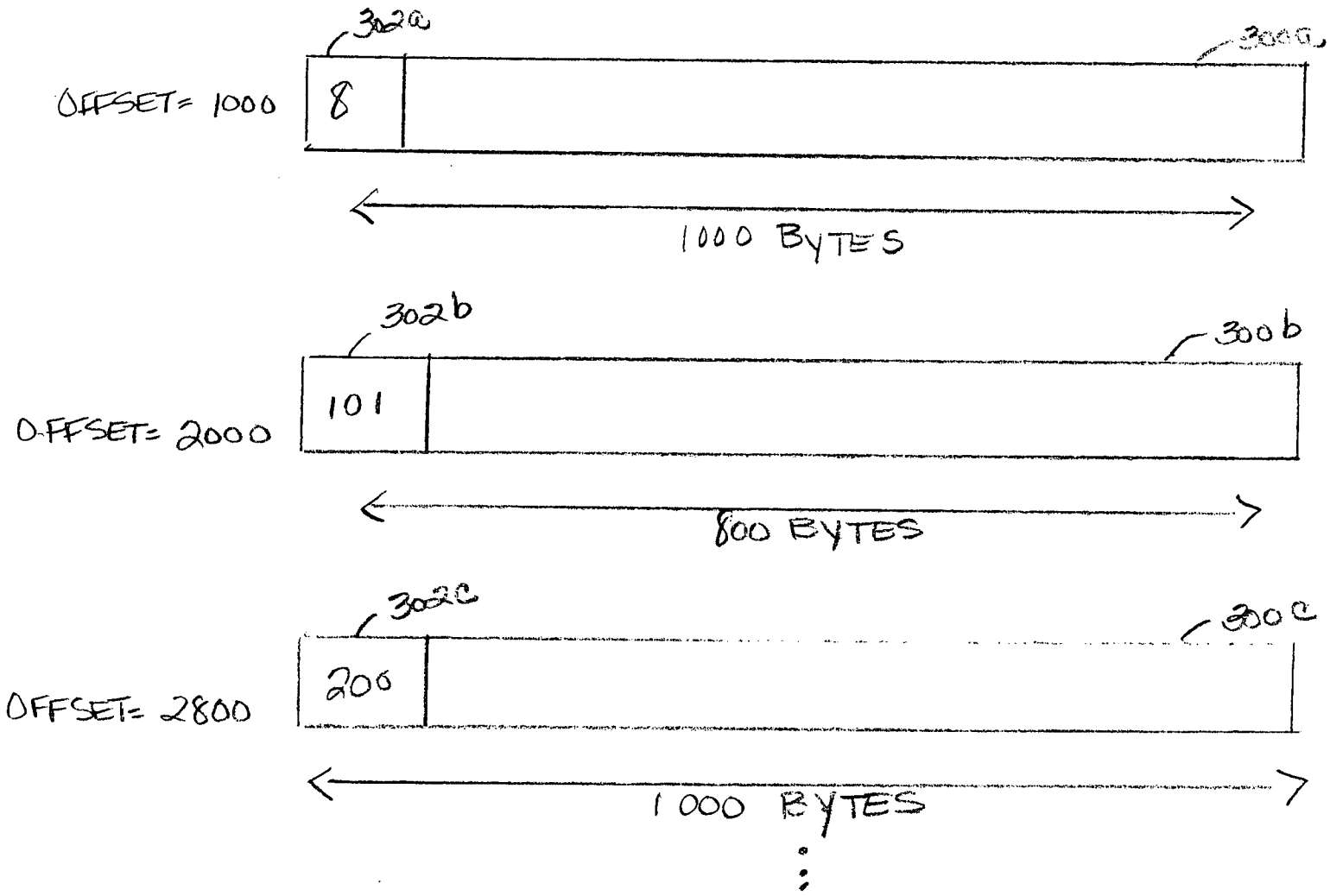

FIGURE 4

During Backup

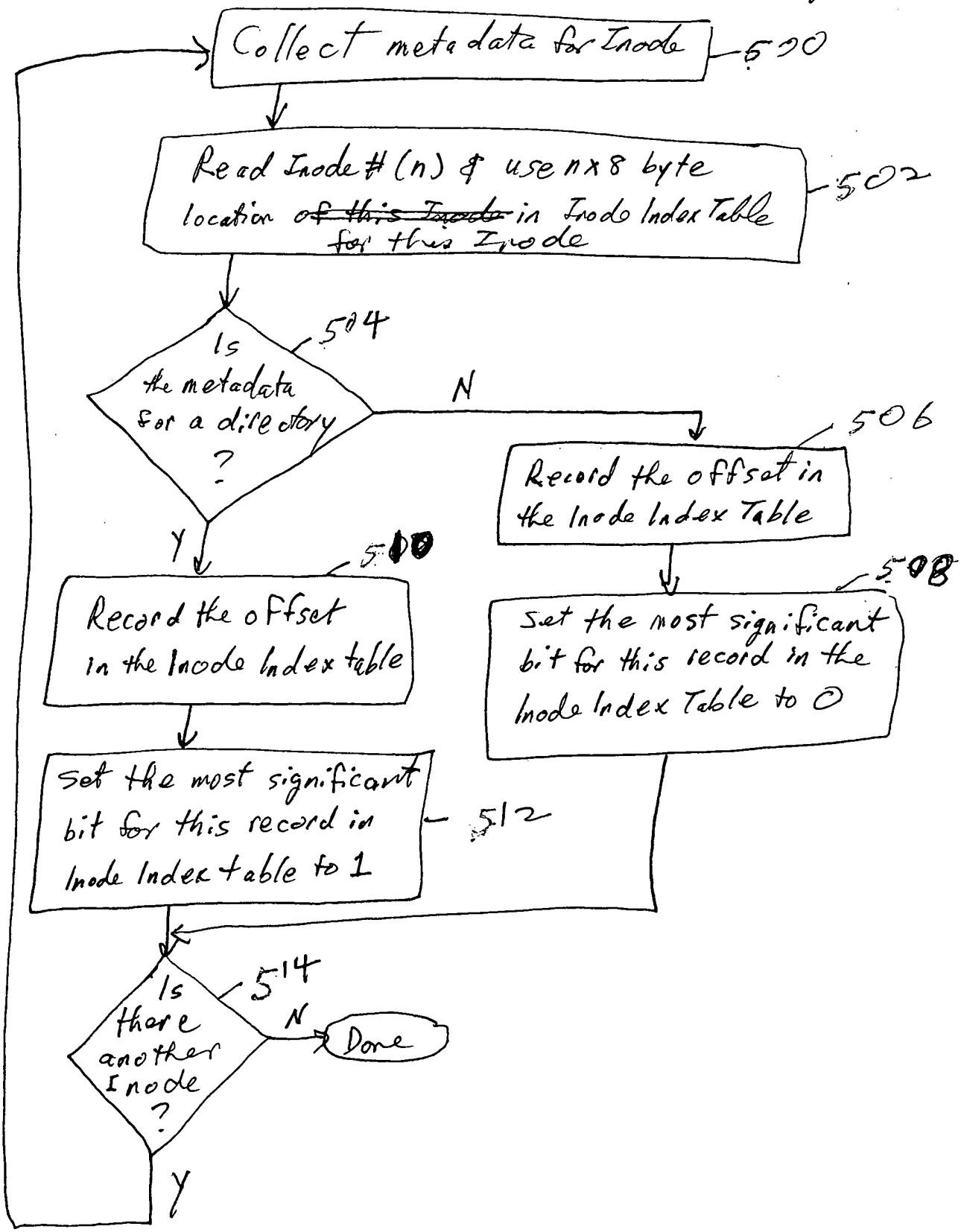

FIG 5

Inode Index Table

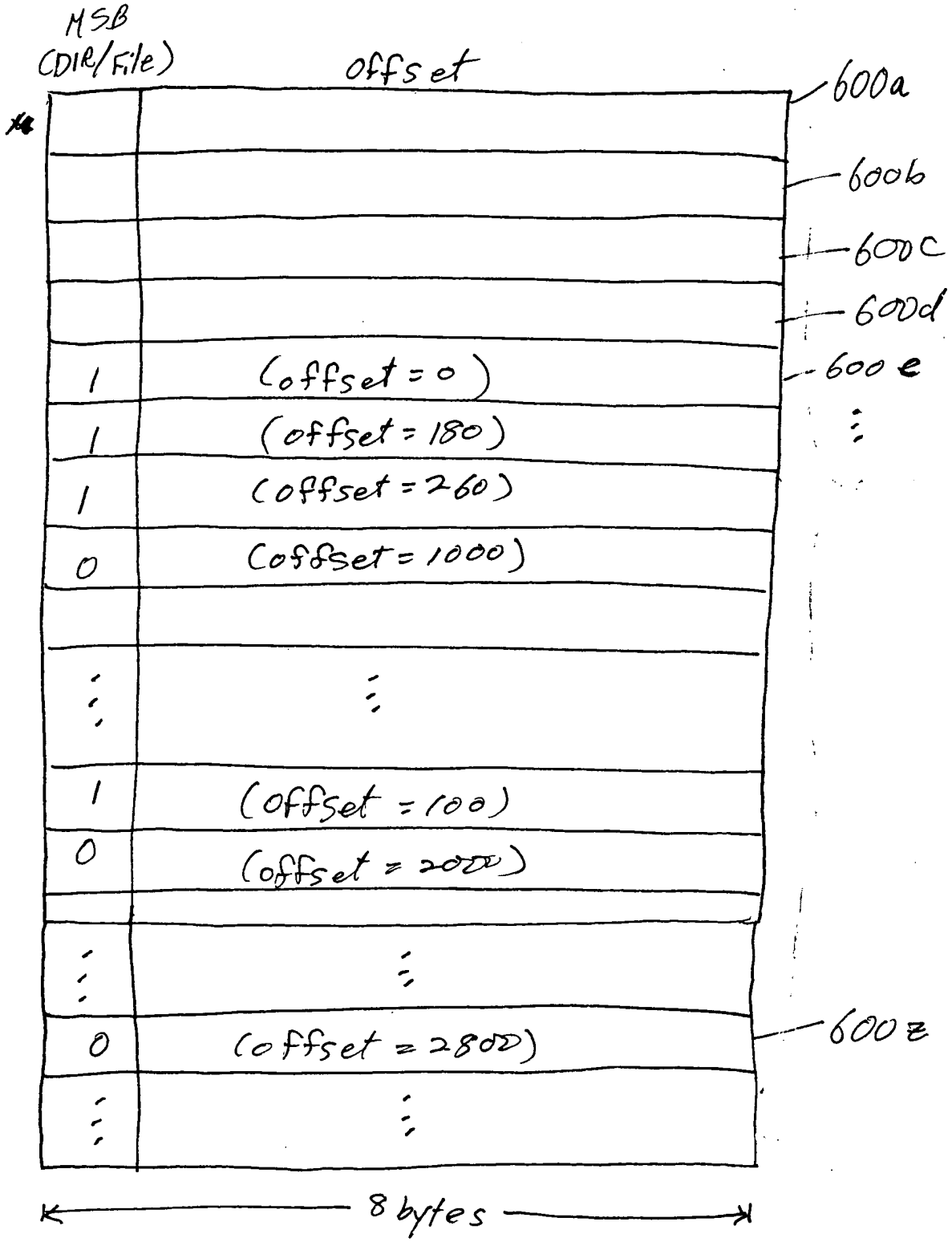

FIG 6A

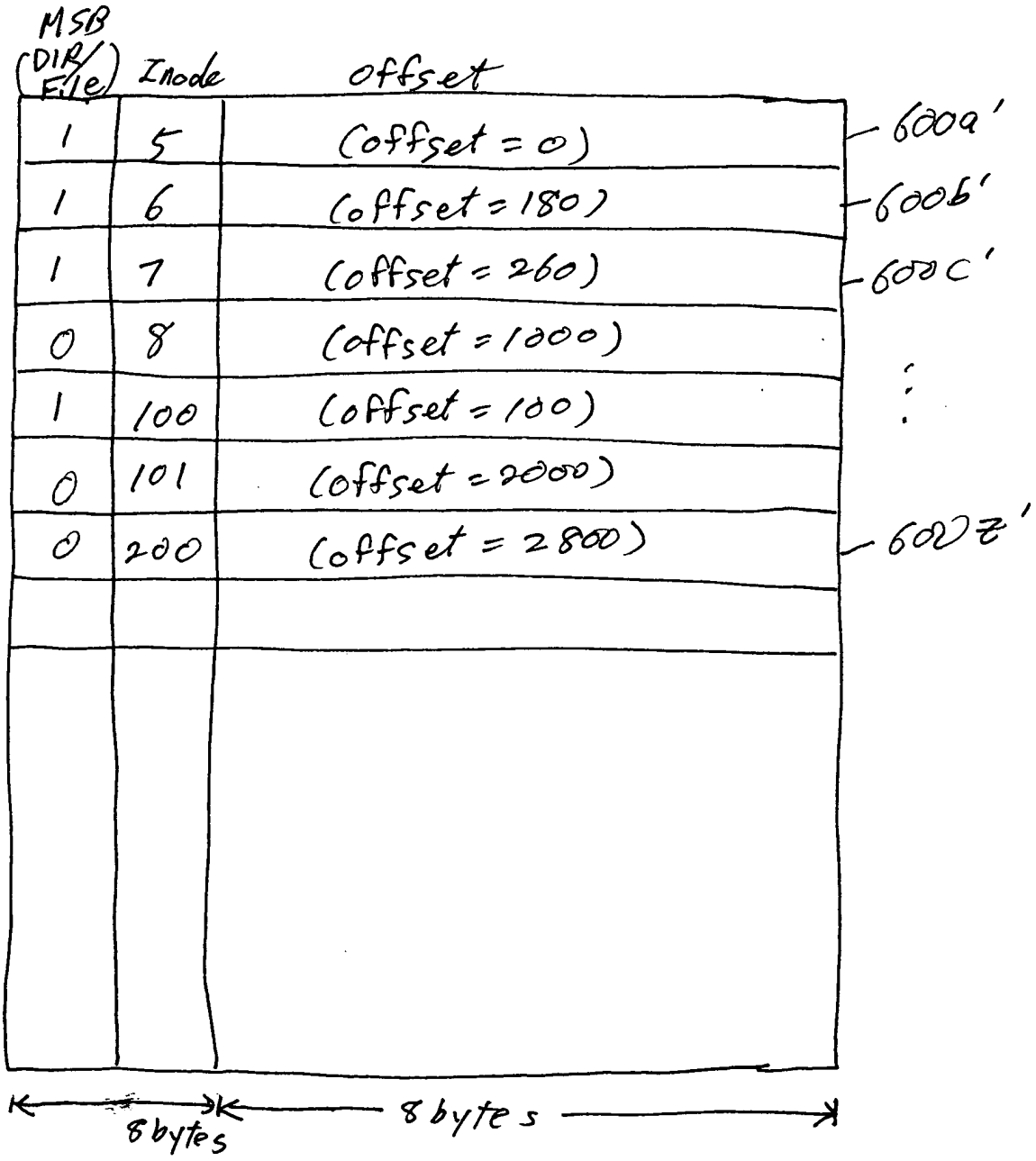
MSB (DIR/File)
Inode
offset
1
5
(offset = 0)
600a'
1
6
(offset = 180)
600b'
1
7
(offset = 260)
600c'
0
8
(offset = 1000)
1
100
(offset = 100)
0
101
(offset = 2000)
0
200
(offset = 2800)
600z'
8 bytes
8 bytes

FIG 6B

STAEDTLER® No. 937 811E Engineer's Computation Pad

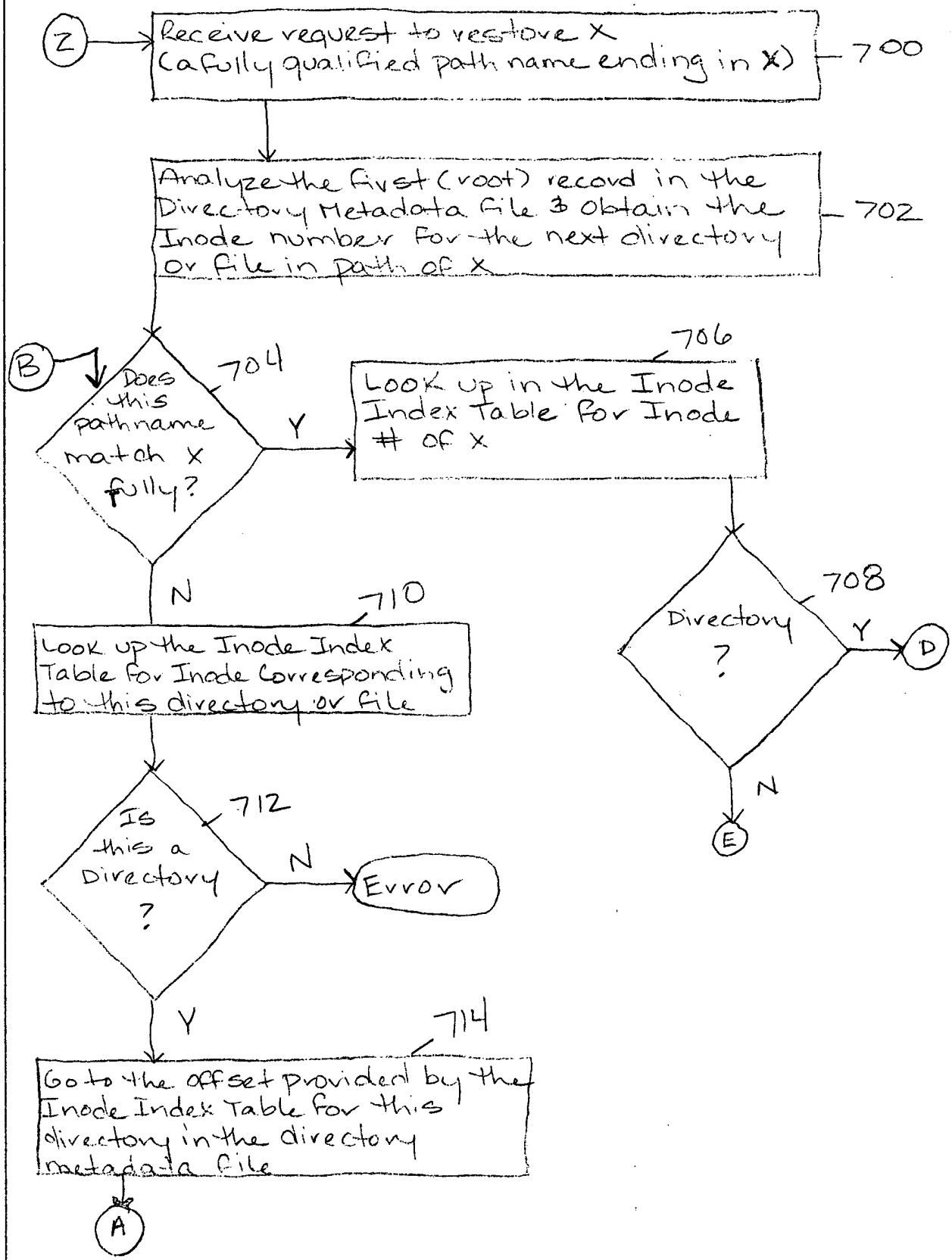

FIG. 7A

STAEDTLER®
No. 937 811E
Engineer's Computation Pad

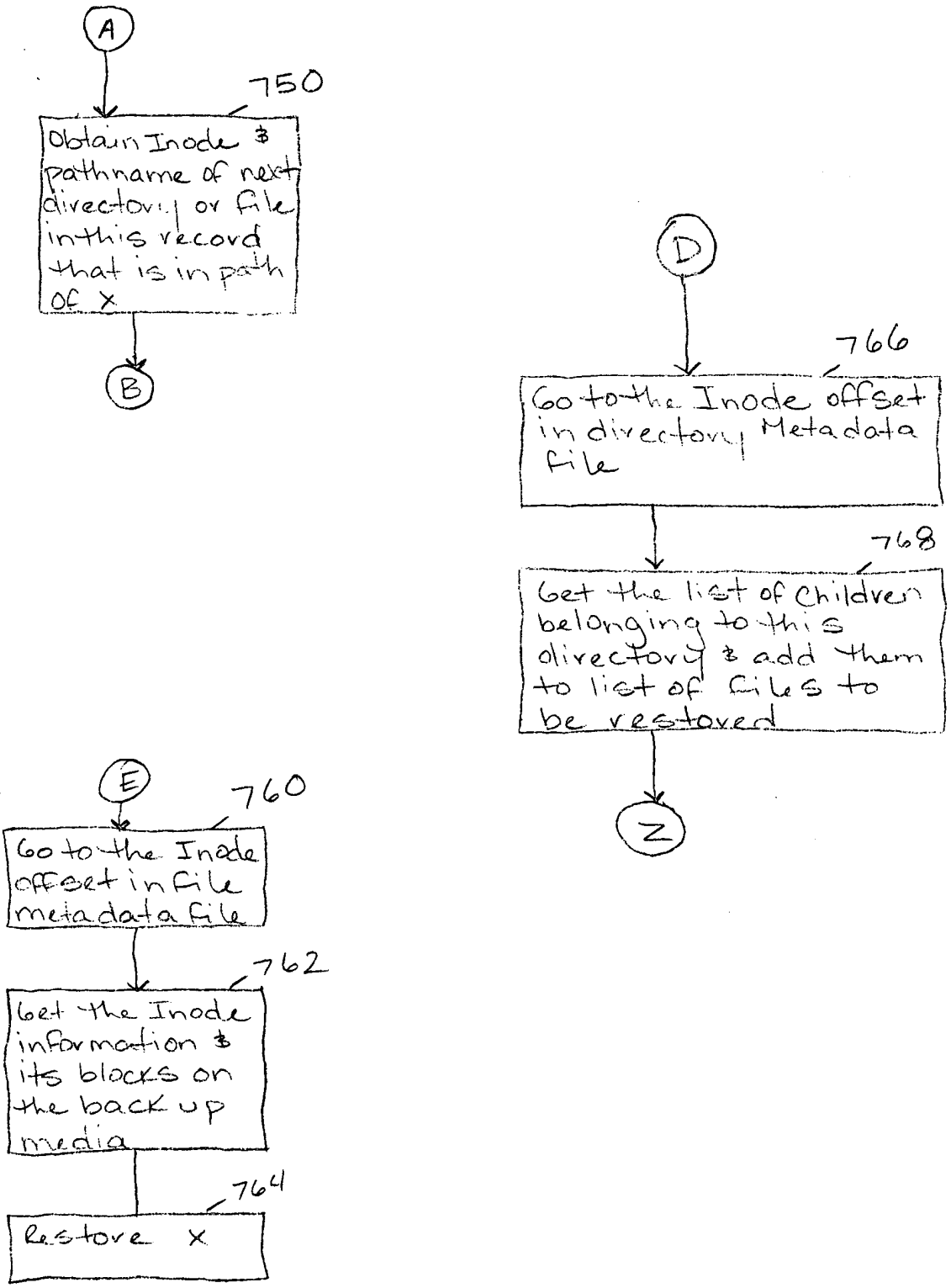

FIG. 7B

During Restore file

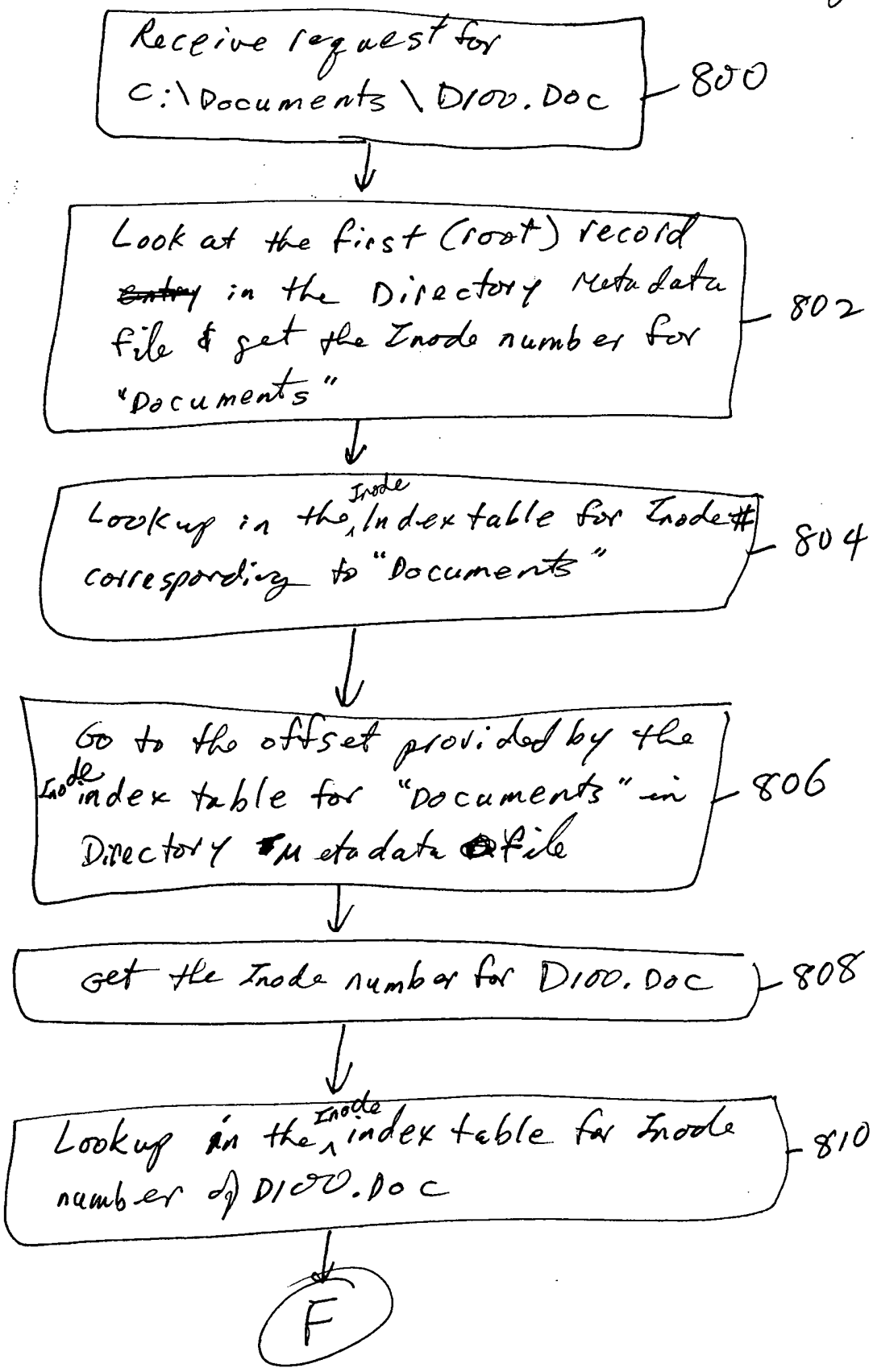

FIG 8A

STAEDTLER® No. 937 811E Engineer's Computation Pad

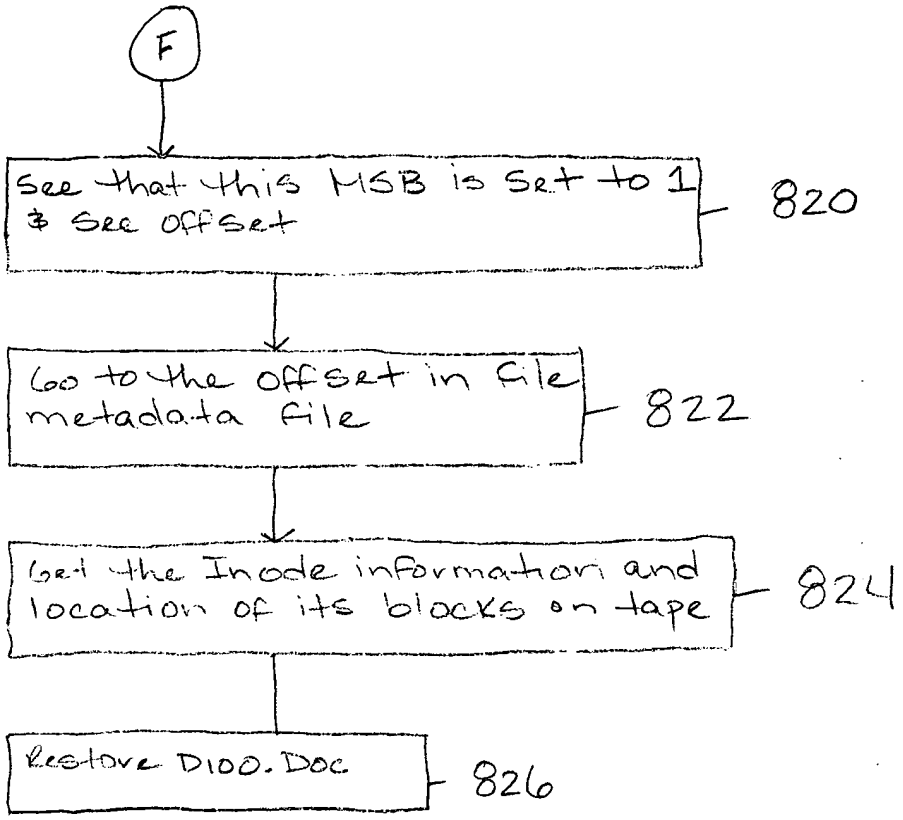

FIG. 8B

During Restore Dir.

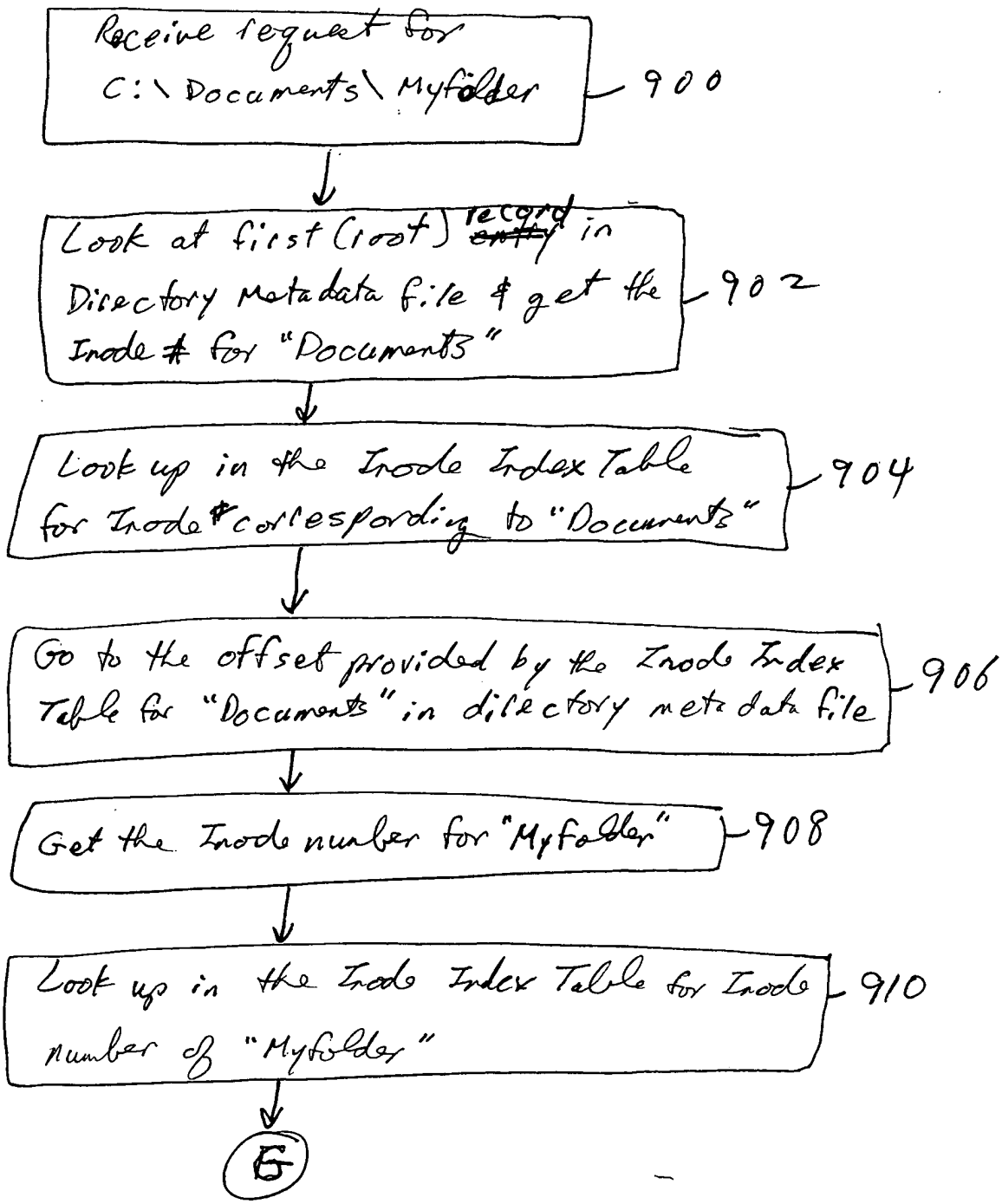

FIG 9A

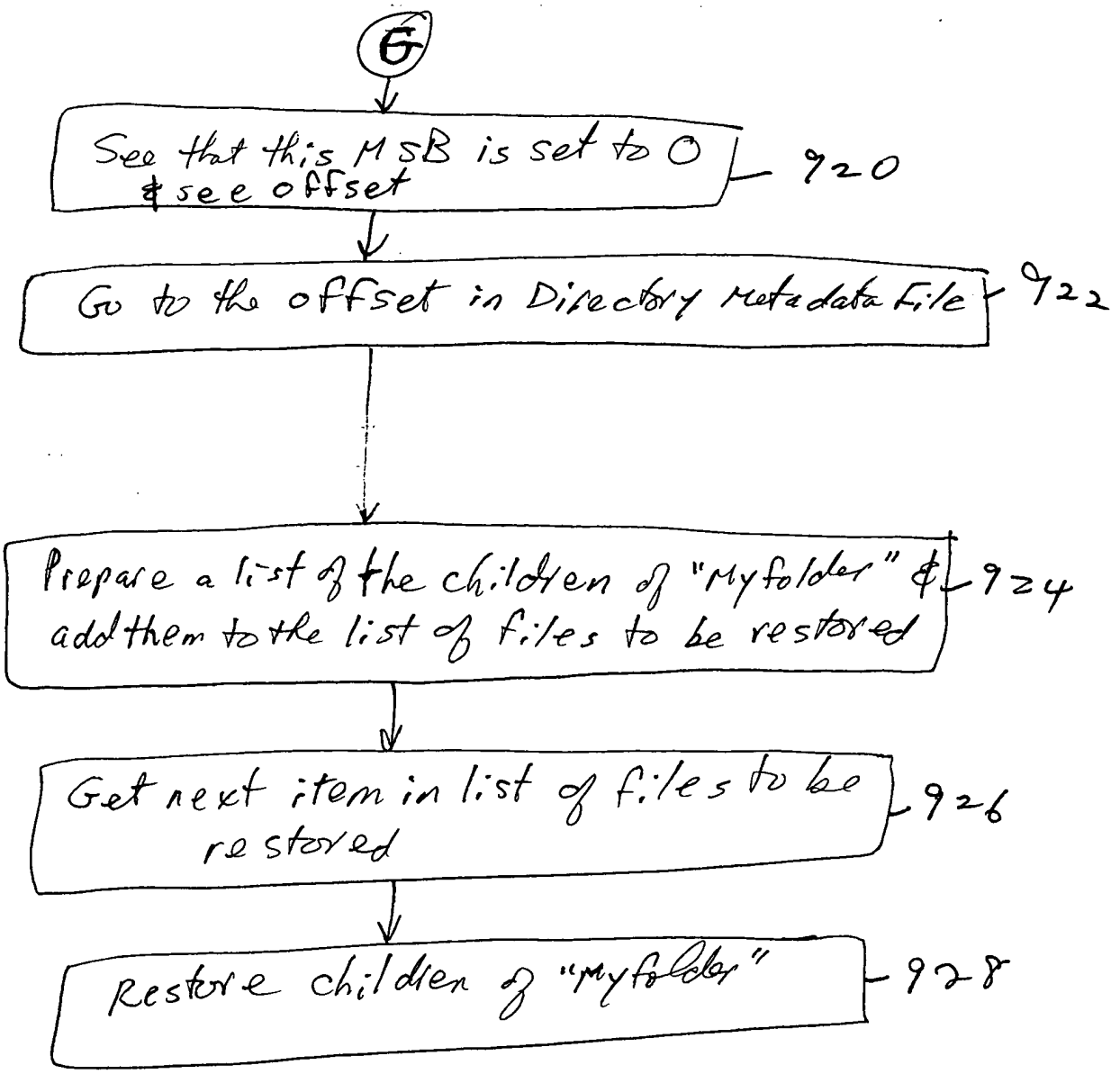
G
See that this MSB is set to 0 & see offset
920
Go to the offset in Directory Metadata File
922
Prepare a list of the children of "Myfolder" & add them to the list of files to be restored
924
Get next item in list of files to be restored
926
Restore children of "Myfolder"
928

FIG 9B